

IN THE CLAIMS:

Please cancel claims 8-11, 13-17 and 19-22. This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended): An isolated nucleic acid molecule selected from the group consisting of:
 - a. a nucleic acid molecule comprising a nucleotide sequence which is at least 95%[[85%]] identical to the nucleotide sequence of SEQ ID NO:4 or SEQ ID NO:6, wherein the nucleic acid encodes a polypeptide having kinase activity NOs:1, 3, 4, or 6; and
 - b. ~~a nucleic acid molecule comprising a fragment of at least 300 nucleotides of the nucleotide sequence of SEQ ID NOs:1, 3, 4, or 6;~~
 - ~~c. a nucleic acid molecule which encodes a polypeptide comprising the amino acid sequence of SEQ ID NO: [[2 or]]5;~~
 - ~~d. a nucleic acid molecule which encodes a fragment of a polypeptide comprising the amino acid sequence of SEQ ID NO:2 or 5, wherein the fragment comprises at least 15 contiguous amino acids of SEQ ID NO: 2 or 5; and~~
 - ~~e. a nucleic acid molecule which encodes a naturally occurring allelic variant of a polypeptide comprising the amino acid sequence of SEQ ID NO:2 or 5, wherein the nucleic acid molecule hybridizes to a nucleic acid molecule comprising SEQ ID NO: 1, 3, 4, or 6, or a complement thereof, under stringent conditions.~~

2. (Currently Amended): The isolated nucleic acid molecule of claim 1, which is selected from the group consisting of:
 - a. a nucleic acid comprising the nucleotide sequence of SEQ ID NO: 4 or SEQ ID NO:6 ~~1, 3, 4, or 6;~~ and
 - b. a nucleic acid molecule which encodes a polypeptide comprising the amino acid sequence of SEQ ID NO: [[2 or]]5.

3. (Original): The nucleic acid molecule of claim 1 further comprising vector nucleic acid sequences.

4. (Original): The nucleic acid molecule of claim 1 further comprising nucleic acid sequences encoding a heterologous polypeptide.
5. (Original): A host cell which contains the nucleic acid molecule of claim 1.
6. (Original): The host cell of claim 5 which is a mammalian host cell.
7. (Original): A non-human mammalian host cell containing the nucleic acid molecule of claim 1.

8-11. (Canceled)

12. (Currently Amended): A method for producing a polypeptide selected from the group consisting of:

- a. a polypeptide comprising the amino acid sequence of SEQ ID NO: [[2 or]]5; and
 - b. ~~a polypeptide comprising a fragment of the amino acid sequence of SEQ ID NO: 2 or 5, wherein the fragment comprises at least 15 contiguous amino acids of SEQ ID NO: 2 or 5; and~~
 - ~~c. a naturally occurring allelic variant of a polypeptide comprising the amino acid sequence of SEQ ID NO: [[2 or]]5, wherein the polypeptide is encoded by a nucleic acid molecule comprising a nucleotide sequence which is at least 95% identical to the nucleotide sequence of SEQ ID NO: 4 or SEQ ID NO: 6, wherein the polypeptide has kinase activity which hybridizes to a nucleic acid molecule comprising SEQ ID NO: 1, 3, 4, or 5, or a complement thereof under stringent conditions;~~
- comprising culturing the host cell of claim 5 under conditions in which the nucleic acid molecule is expressed.

13-17 (Canceled)

18. (Original): A kit comprising a compound which selectively hybridizes to a nucleic acid molecule of claim 1 and instructions for use.

19-22 (Canceled)